THE TECH

DAILY

VOL. XXIX. NO. 67. BOSTON, MASS., THURSDAY, DECEMBER 16, 1909 PRICE ONE CENT

INSTITUTE COMMITTEE MAKES NEW RULINGS

Changes In Point Ratings--Resolution Against 1913 Plans

A resolution disapproving the holding of the Freshman class dinner away from the Union, and a number of important changes in the point system was the principle work carried out at last night's meeting of the Institute committee.

Student organizations are slow in sending in point lists, but the work is progressing as rapidly as possible and all card lists are up-to-date.

The following is the stand taken by the Institute Committee on the 1913 dinner affair. Be it resolved:

That the Institute Committee disapproves strongly of the action taken by the Freshman class in giving up the Union as a place for holding their class dinners, in consideration of the fact that the Union was given to the students through the generosity of the friends and alumni of the institute as a place for such events; and that it is regarded as presumptuous in the extreme that a freshman class should set such a precedent. Signed:

The Institute Committee.
R. F. Goodwin, Jr. Pres.
Arch Eicher, Secy.

The most important changes in the point system concern Technique. The Editor and Business Manager are rated at ten and nine points respectively, as heretofore, while the following positions are now rated at eight:—Art Editor, Asst Art Editor, Asst. Business Managers, Treasurer, Grind, Society, Athletic and History Editors, Statisticians, and Professor's Editor.

The rating requested by the Technique Board was refused and the above established.

The Aero Club, not hitherto rated, is given the followin standing: President 5 points, Sec'y-Treasurer 4, Engineering Committee 4, Librarian 3, Full Members 2.

In the Tech Show, the Advertising Manager is to be counted as nine points for the entire year. Candidates for the Show Board, five.

Officers of the Wireless Club are rated at 2 points, members of standing committees 1 point.

The rating of members of the Institute Commitee will be 5 points hereafter.

A complete list of all the activities connected with the Institute and the rating of all officers under them will be published by The Tech in a few days.

The motion to give points to officers of the Technology battalion was laid over until a later date.

Among the other activities whose ratings have undergone some changes, are the Musical Clubs, M. I. T. A. A. Union Committees and Tennis team.

AM. M. E. SOCIETY

The Boston section of the American Society of Mechanical Engineers, will meet Friday, December 17, at 8 P. M. in the auditorium of the Edison Building, 39 Boylston St., Boston. Papers on the "Effect of Superheated Steam on Cast Iron and Steel," will be read by prominent men, and a general discussion will follow. All members of the society are invited to be present. Full details will be found on the M. E. Society's bulletin in Engineering A.

Governor Hughes has accepted the invitation of the University of Pennsylvania trustees, to be University Day orator on February 22.

NEW EMERSON PUMP IN M. E. LABORATORY

Ten Feet High--Capacity 700 Gallons Per Minute--Lab. Crowded

Through the generosity of the manufacturers, the Institute has been presented with an Emerson Steam Pump of 700 gallons capacity per minute. This pump sucks water into a vacuum formed by condensing steam, and then discharges against a head by direct pressure of steam on the water surface. In appearance and in method of operation, it is somewhat like the pulsometers, "aqua-thrusters," and other pumps of the same type, which are so often used for draining water from sewer trenches. It differs from them in having its steam valve operated by what is virtually a small steam engine that can be set to run at any speed and so cause the pump to fill and empty any desired number of times per minute.

Direct-pressure steam pumps are particularly interesting in their operation. The Institute has had a 500 gallon and a 70 gallon pulsometer for several years and has given instruction in the principles which are involved to students in most of the engineering courses. These have been the subjects of two theses. The Emerson pump has been set up in the laboratories of Engineering Building "A" and is now ready for class work. It is of somewhat impressive size, standing over ten feet high. It fills what was one of the few available spaces in the laboratory and serves as a forceful reminder that .. the Institute is to continue growing in equipment and efficiency, it must have more room to expand.

MILITARY DRILL NOTES

Fredrick H. Busby 1912, has been appointed to the captaincy of A Company, to fill the place of Capt Bent. who was forced to resign on account of pressure of studies. Capt. Busby was 5th sergeant of B Company last year and has been prominent in Institute activities, especially athletics. He will take command of his company at once.

Ten minutes of the snappiest "right-off-the-reel" drill that a Tech freshman company ever experienced was what D Company received last Monday. Capt. Easton himself took command of the company and he gave the men a taste of what real wide-awake company drill is. Commands were rattled off at rapid-fire-gun rate, and what is more, they were executed in good lively style. The two or three minute "rest" which followed this exercise was duly appreciated.

At the close of yesterday's drill Major J. A. Herlihy called a meeting of the officers and non-coms for a short conference on the proposed Military Ball. The members present voted to give the chairman the authority to appoint a committee to take up the details of the matter.

Theoretical guard-mounting is now being taken up in the weekly lectures and at the first of the year the ceremony of guard mount will be tried in the drill exercises with band accompaniment.

DR. NOYES TALKS TO CHEMICAL SOCIETY

"The Use Of Indicators In Volumetric Analysis" His Subject

The Chemical Society, held a meeting last night in the Union. The speaker of the evening was Dr. A. A. Noyes.

Before the lecture a short business session was held, when it was decided to amend the constitution of the society so as to allow Sophomores to vote at the elections. It was also moved that the Secretary send notices to all members of Courses V, VIII, and XIV, in forming them that they were eligible either to full or associate membership.

Dr. Noyes, well known as the Director of the Research Laboratory of Physical Chemistry, spoke on "the Use of Indicator in Volumetric Analysis." The talk was extremely interesting and instructive to all following the lines of chemistry. He illustrated his lecture with experiments with different indicators and woked out the equations on blackboards.

Dr. Noyes started out by showing that the indicator theory was very helpful in analysis and that were it not for the hydrolysis of water, the theory would be a comparatively simple one. Although only one mol of water in five hundred million mols is ionized, this is enough to change some of the acids and bases used in solutions. Necessarily this work all deals with solutions, and the main point is the detection of the hydrogen ions in them. Dr. Noyes stated the properties of a good indicator, saying that the first necessary was a distinct color. He showed that only a small quantity of the indicator ought to be added so as not to change any of the substance in solution.
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Six different indicators were used and were followed through their changes according to the concentration of the solutions in which they were placed. Solutions in which the concentration of the hydrogen ions ranged from ten-to-the-minus-third-power to ten-to-the-minus-eleventh-power were used.

PENN. STATE CLUB

Informality and "get-together" was the spirit at the meeting of the Pennsylvania State Club last night. While formal speeches and the usual routine were not on the program this time, the club intends to be an active one and plans for the ensuing season were talked over.

The club hopes to hold several dinners during the winter and a "smoker" is being planned, to be held a short time after the Christmas holidays. A good banquet is also to be held in the near future and at these two events, it is hoped to get some of the new men into the club.

Last year there were thirty-five members in this organization.

At the present time there are some fifty men from Pennsylvania in the Institute and all such men are eligible for membership in the Penn. State Club. It is the desire of the leaders that all these men enter into the affairs of the club.

The officers of this club are always elected in June for the following year. The present officers are, President R. W. Jacoby 1910; Vice-President R. D. Wells 1910; Sec'y-Treasurer, A. L. Stein 1910.

It was announced Monday that because of ill health, Dr. Adam H. Fetteroff has resigned the presidency of Girard College.

DISAPPROVAL OF 1913 DINNER PLANS

Three Upper Classes Will Meet At 1.45 Today--Action To Be Taken

A monster mass meeting of the three upper classes has been called for 1:45 P. M. today in Huntington Hall. Feeling has been running high among the upper class-men over the action of the freshmen, in going away from the Union for their class dinner, and the matter will be pretty thoroughly discussed at this meeting.

Pres. R. F. Goodwin of the Senior class has called the meeting and he says that he hopes for an especially large attendance. The matter is one of great importance, he says, and it is now up to the majority of the Institute students to establish a precedent by either condemning the action of 1913 or approving it by allowing it to pass unnoticed. In this connection it may be stated that Pres. Maclaurin refused the invitation to attend the dinner on account of its being held away from the Union.

Pres. Goodwin's opinion on the matter is, that inasmuch as the Union was given to us for just this purpose. it is incumbent upon all loyal Technology students to give it their best support.

Resolutions disapproving the action of 1913, will probably be passed.

1913 MEETING TODAY

Leaders Resolved To Maintain Stand On Dinner Plans

This year's freshman class is breaking all the old traditions that were ever established about the Institute. Considerable discussion has been in progress during the past week on the question of the 1913 class dinner down town instead of in the Union. The idea has met with decided disapproval both by the upper classes and from different members on the Faculty. A large number of freshmen are not in sympathy with the idea and a mass meeting has been demanded and will be held in Huntington Hall this afternoon at one o'clock. It is understood that the freshmen are going to stand out against the opinion of all the upper classes and the Faculty and considerable discussion is expected at this meeting.

F. H. Newell, M. I. T. '84—Director of the United States Reclamation Service will give an illustrated lecture before the Appalachian Mountain Club, in Huntington Hall, December 15th, at 8 P. M., on "The Conservation of Water Resources in the West." This lecture is open to the public, and should be of much engineering interest.

H. W. Tyler

CALENDAR.

Thursday, December 16.

1:00, 1913 Class Meeting in Huntington Hall.
1:45, Mass Meeting of three upper classes in Huntington Hall.
4:30 Physical Society Meeting—20 W.
7:00 1913 Dinner—Crawford House.
7:30 Mining Eng. Society Meeting—Union.

Friday, December 17.

3:30 Melrose High vs. 1913—Basket-Ball—Melrose.
4:00 Basket-Ball Practice—Gym.
8:00 Winter Concert—Copley Hall.

Upper Class Mass Meeting, 1.45 Today, Hunt Hall

THE TECH.

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BOSTON, MASS., DECEMBER 16, 1909.

The authorities permit visitors to come in to witness the drills of the Institute battalion at the Armory, but they do not expect such persons to abuse this privilege by attempting to distract the attention of the men who are drilling. Visitors are welcome, but they should guard against making themselves a nuisance intentionally or otherwize.

Only one more week and then—vacation! Ten whole days this year! It was not always thus.

EXPERIENCE IN MEXICO

S. C. Sears '01 To Speak Before The Course III Society

Mr. S. C. Sears 1901, is to be the speaker of the evening at the Mining Engineering Society meeting, in the Union on Thursday evening, and he will speak on "Experience in Mexico."

Mr. Sears is a graduate of the Institute of the class of nineteen hundred and one. In nineteen hundred and three he went to Mexico, where he engaged in mining, principally cyaniding. He has been also engaged in mining in Durango, Zacatecas and Chihuahua. In his talk he will inpart much of his practical knowledge to his listeners. After the lecture refreshments will be served.

This club is fortunate in getting speakers, who are able to give them helpful and practical knowledge. The club is planning to have a joint meeting with the Harvard mining club. The possible speaker is Col. T. L. Livermore, vice-president of the Calumet and Hecla Company. Prof. Richards will also be present and will show some slides on his Hinder Settling Apparatus. With such meetings before them the members of the club should show their appreciation and interest by a full attendance.

"THE DOPESTER"

Manager Billings' hockey schedule starts a week from next Saturday, with the Crescents of Boston.

It may not be well known around the Institute that Burnham, the captain of this years 1913 relay team was re-elected captain of next year's relay. Better luck next year, Burnham.

I was talking with Manager V. V. Allen of the 1912 baseball team and he tells me that he is getting his schedule pretty well filled up. Good-boy, Allen.

Talking of base ball, reminds me, that even though base ball is the great national game, there is not enough support of the game here at the Institute to provide a coach for the two class teams. I think the subject of a coach is worthy of thought. How about it?

Looks like a big night to-night? ? ?

INTERCOLLEGIATE NEWS

"It is the duty of university authorities to make of the college a society of which the teachers will be as much, and as naturally, members as the undergraduates—teachers who will not seem pedagogues but friends and who can by the gentle infection of friendliness make thought a general contagion." —President Woodrow Wilson.

The foundation for a zoological museum at the Ohio State University has been laid. This will include a number of rare collections of faunae, including the Wheaton collection of birds of Ohio and the Kellicott collection of Odonata.

Professor W. H. Pickering '79, now of Harvard, will lecture before the Society of Arts, Thursday, December 16. "The Moon as a Living Planet," is the subject which he will speak on.

COMMUNICATION

Several of the fellows who were on the relay team have spoken about having a freshman team. The matter has been talked over with Coach Kanaly and several of the upper class men who are interested in track work, and they have all favored it. Meets could be arranged with the different High Schools and aside from the sport it would help develop men for the varsity.

Besides the meets with other schools there are the interclass meets and the freshmen will stand much better chances of winning if there is a regular organized team. The Freshman class is knocked constantly for its lack of spirit; here is a chance to show that it has a little Tech spirit and to start something that has not been tried here before.

All the men who are taking track work at present should tell Kanaly what events they wish to try for. All men who are not taking track work should hand in their names and the events they wish to specialize in. It does not make any difference whether a man has had any experience or not, he should come out just the same. This cannot be made a success unless there is a large and enthusiastic squad.

H. G. Burnham 1913

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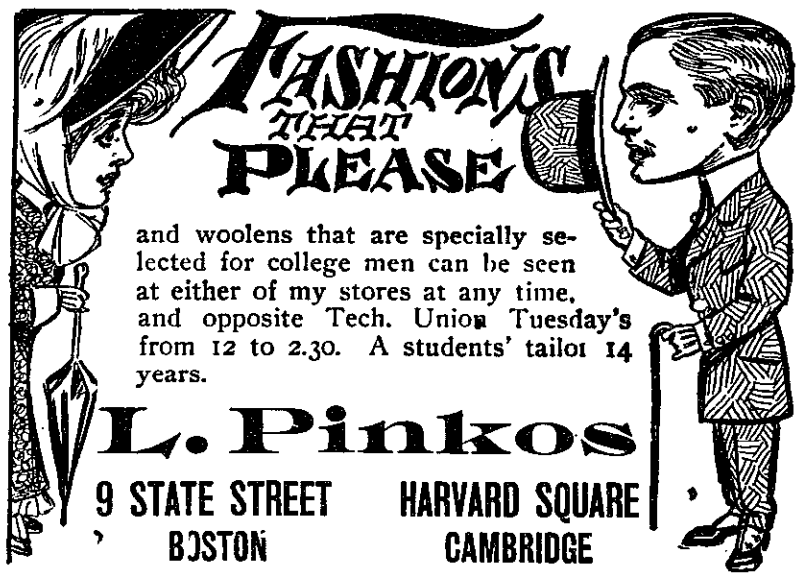

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THIRD T. C. A. DINNER

At the third dinner of the Technology Christian Association, Mr. Frank Chase gave an interesting talk on the extent of vice in New England. He gave a few examples of the good works done by the Watch and Ward Society since its organization thirty years ago. Mr. Chase said, "The society is not a freak organization, with me as the chief freak, as many people think, but a good legitimate organization for the betterment of public morals."

There will be no dinner next Wednesday evening. The next dinner will be January 5.

COURSE II ISSUE

Mechanical Engineering and its several branches will be taken up in the second special issue of The Tech, next Saturday. The subject will be treated in about the same manner as Civil Engineering was taken up last week. Special articles by professors in the Course II department, descriptions of the courses of study, pictures of some of the laboratories, and the scope of mechanical engineering, are a few of the subjects.

To students and prospective students of any course at the Institute, one of the most interesting points is to know what men who have graduated from the course are now doing. In this special issue will be several letters from old graduates, and short sketches of members of the department, many of whom are graduates of this Institute

Current news will be run in the Saturday issue as usual.

CURRENT EVENTS

That the naval militia should be as available for service on the sea as the regular militia is on land, is the opinion of Asst. Secretary of the Navy, Winthrop. He appeared before the House Committee on naval affairs, yesterday and asked for an increase of $25,000, in the estimate for the naval militia appropriation.

The Nicaraguan capital is in a state of ferment, to check which no attempt has been made by the police. The streets are the scene of such an anti-Zelaya demonstration on the part of the mobs that President Zelaya has promised the public his resignation from the presidency. The climax was reached when the Government attempted to put through Congress a bill conveying to certain exploiters mining rights covering vast undefined areas irrespective of the private ownership of the surface of the properties. Congressman Enrique Corda, who was but recently released from the penitentiary, opposed the measure in a wild, enthusiastic speech which was the signal for a general uprising against the government. Seeing that the motion was in danger of being lost, the Government precipitately adjourned the session. Corda was followed to his hotel by a mob amid cheers of "Long live Corda, Estrada, the revolution, and the United States," "Long live liberty, down with oppression" and "The handwriting is on the wall." A similar hostile demonstration at Seou is reported.

The publisher of Tolstoi's book, "The Kingdom of God Within Us," was sentenced yesterday to a year's imprisonment in a Russian fortress.

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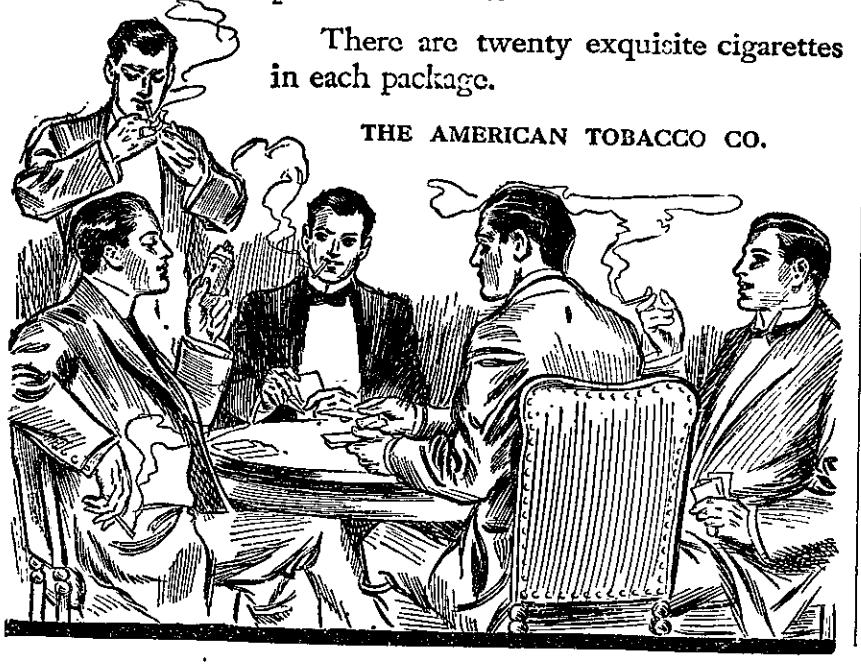

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GENERAL NOTICES.

FIRST YEAR.

Conference hours for students who wish to confer with Heads of Departments in regard to the Choice of Course.

COURSE I—Prof. Spofford will meet students on Tuesday, Dec. 21st, from 1 to 1:30 in 42 Eng. A.

COURSE II—Prof. Lanza will meet students on Thursday, Dec. 16th, from 1 to 1:30 in 11 Eng. B.

COURSE II—Prof. Richards will meet students on Friday, Dec. 17th, at one o'clock in 2 Rogers.

COURSE IV—Prof. Chandler will meet students Thursday and Friday, Dec. 16th and 17th, at 4 P. M. in 42 Pierce.

COURSE V—Prof. Talbot will meet students on Wednesday, Dec. 15th, at 1 P. M. in 6 Lowell.

COURSE VI—Prof. Jackson will meet students on Monday, Dec. 20th, at 1 P. M. in 6 Lowell.

COURSE VII—Prof. Sedgwick will meet students Tuesday, Dec. 14th, at 4 P. M.; Wednesday, Thursday, and Saturday, Dec. 15th, 16th and 18th at 12 o'clock, in 27 Pierce.

COURSE VIII—Prof. Cross will meet students any day but Saturday at 12:05 in 11 Walker.

COURSE X—Prof. Talbot will meet students (see Course V).

COURSE XI—Prof. Porter will meet students on Wednesday, Dec. 22nd, from 1 to 2 in 46 Eng. A.

COURSE XIII—Prof. Peabody will meet students Tuesday and Thursday, Dec. 14th and 16th, from 2 to 4 in 31 Eng. C.

COURSE XIV—Prof. Goodwin will meet students Tuesday and Wednesday, Dec. 14th and 15th, from 1 to 2 in 2 Walker.

MILITARY SCIENCE.

The Drill hour, on Mondays and Fridays, on and after January 3rd will be changed from three to two o'clock .

WALTER HUMPHREYS,
Registrar.

ELECTRICAL ENGINEERING.

There will be a final examination in Elecrical Engineering (683) for Course II men, on Saturday afternoon, December 18th, from 2 to 4, in Room 30, Engineering Building A.

WALTER HUMPHREYS,
Registrar.

PHYSICAL SOCIETY.

The next meeting of the Society will be held in Room 20, Walker, on Thursday, December 16, at 4.30.

Dr. K. G. Falk will speak on "The Change in Refractive Index with Temperature." D. F. COMSTOCK.

WINTER CONCERT.

Seats may be reserved until Thursday, Dec. 16. All seats not paid for at that time will be open or general sale.

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COURSE III MEN.

Next meeting of the Mining Engineering Society Thursday, Dec. 16, at 7.30 P. M. in the Union. Mr. Stanley C. Sears, III '01, who has been in Mexico for six years, will speak.

1910

1910. Only those Seniors who have paid their class dues up-to-date, will be allowed to vote. Names of those who have not paid will be posted up in the Union. Dues may be paid to W. O'Hearn, I and XI; L. O. French II; R. Goodwin, III; H. S. Clevendon, IV; E. M. Potter, VI; D. Clapp, X; M. P. Anderson, XIII and Luther Davis, XIV.

1913.

There will be a meeting of the Freshman Class in Huntington Hall this afternoon at 1 P. M.

A few remaining copies of last Saturday's special issue will be on sale at the Cage today.

WANTED—A copy of the June 5th, 1905, "Junior Prom" issue of the Tech. Will person having a copy communicate with the Circulation Manager of the Tech?

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Every student in the Institute should obtain, if he has not already done so, a copy of last Friday's Tech which contains President Maclaurin's report. There are a few copies left and every man should get one at once.

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